Attorney's Docket No. 07977-0121003

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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1-10. (Canceled)
- (Previously Presented). A liquid crystal electro-optical device comprising:
 a pair of substrates, at least one of said pair of substrates being transparent;
- a light modulating layer interposed between the pair of substrates, said light modulating layer including a liquid crystal, an optically active substance, and a dictroic dye; and electrodes for applying an electric field in a direction parallel with the pair of substrates, wherein a cell thickness d between the pair of substrates is in a range of I mm-d4-10 µm.
- 12. (Previously Presented). A method of driving a liquid crystal electro-optical device, said liquid crystal electro-optical device comprising:
- a pair of substrates, at least one of said pair of substrates being transparent; and a light modulating layer interposed between the pair of substrates, said light modulating layer including a liquid crystal, an optically active substance, and a dichroic dye, wherein a cell thickness d between the pair of substrates is in a range of 1 µm-d+10 µm,
 - said method comprising: applying an electric field in a direction parallel with the pair of substrates.
 - (Previously Presented). A liquid crystal electro-optical device comprising:
 a pair of substrates, at least one of said pair of substrates being transparent;

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a light modulating layer interposed between the pair of substrates, said light modulating layer including liquid crystal molecules, an optically active substance, and dichroic dye molecules: and

wherein the liquid crystal molecules and the dichroic dye molecules are aligned in the direction parallel with the substrates by the electric field to obtain a light transmission state.

- 14. (Currently amended). A display-liquid crystal electro-optical device according to claim 13, wherein the dichroic dye molecules are oriented in different directions around the axis that is perpendicular to the substrates to attain a dark state when the electric field is not applied.
- (Previously Presented). A method of driving a liquid crystal electro-optical device, said liquid crystal electro-optical device comprising:
- a pair of substrates, at least one of said pair of substrates being transparent; and a light modulating layer interposed between the pair of substrates, said light modulating layer including liquid crystal molecules, an optically active substance, and dichroic dye molecules, wherein a cell thickness d between the pair of substrates is in a range of lame4c10am.

said method comprising:

applying an electric field in a direction parallel with the pair of substrates;

wherein the liquid crystal molecules and the dichroic dye molecules are aligned in the
direction parallel with the substrates by the electric field to obtain a light transmission state.

 (Currently amended). A method of driving a liquid crystal electro-optical device display-according to claim 15, wherein said dichroic dye molecules are oriented in different

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directions around the axis that is perpendicular to the substrates to attain a dark state when the electric field is not applied.

- (Currently amended). A display liquid crystal electro-optical device according to claim 11, wherein the liquid crystal has a spiral pitch p in a range of 1μm<p<15μm.
- 18. (Currently amended). A method of driving a liquid crystal electro-optical device displey according to claim 12, wherein the liquid crystal has a spiral pitch p in a range of 1 μm<p<15 μm.</p>
- 19. (Currently amended). A <u>liquid crystal electro-optical</u> device according to claim 13, wherein the liquid crystal molecules have a spiral pitch p in a range of 1 μm<p<15 μm.</p>
- 20. (Currently amended). A method of driving a liquid crystal electro-optical device display according to claim 15, wherein the liquid crystal molecules have a spiral pitch p in a range of 1 µm<p<15 µm.</p>
- 21. (Currently amended). A <u>liquid crystal electro-optical device display</u> according to claim 11, wherein the liquid crystal has an orientation twist angle θ in a range of $\theta \leq 300^\circ$.
- 22. (Currently amended). A method of driving a liquid crystal electro-optical display device according to claim 12, wherein the liquid crystal has an orientation twist angle θ in a range of θ ≤ 300°.
- 23. (Currently amended). A <u>liquid crystal electro-optical device display-according to</u> claim 13, wherein the liquid crystal molecules have an orientation twist angle θ in a range of θ ≤ 300°.

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24. (Currently amended). A method of driving a liquid crystal electro-optical <u>device</u> display-according to claim 15, wherein the liquid crystal molecules have an orientation twist angle θ in a range of $\theta \leq 300^\circ$.

 (Currently amended) A liquid crystal electro-optical device-display according to claim 11, wherein the liquid crystal electro-optical device comprises no polarizing plate.

26. (Previously Presented) A method of driving a liquid crystal electro-optical device according to claim 12, wherein the liquid crystal electro-optical device comprises no polarizing plate.

27. (Previously Presented) A liquid crystal electro-optical device according to claim 13, wherein the liquid crystal electro-optical device comprises no polarizing plate.

28. (Previously Presented) A method of driving a liquid crystal electro-optical device according to claim 15, wherein the liquid crystal electro-optical device comprises no polarizing plate.